INTERNATIONAL SEARCH REPORT

PCT/CA 03/00021

A. CLASS	SIFICATION OF SUBJECT MATTER							
IPC 7	E02D5/56 E02D5/80 E04H17	7/22 E04H12/22						
According	to International Patent Classification (IPC) or to both national class	sification and IPC						
B. FIELDS	SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) IPC 7 E02D E04H								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)								
EPO-Internal								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °			T					
	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.					
Y	GB 2 201 702 A (PAGE EDMUND JOHN MARION DOREEN) 7 September 1988 (1988-09-07) abstract; figure 1	N;PAGE	1,3-6					
Υ	GB 2 225 038 A (FENSOC LIMITED) 23 May 1990 (1990-05-23) abstract; figure 2	-	1,3-6					
Y	US 6 273 390 B1 (MEYER GEORGE) 14 August 2001 (2001-08-14) abstract; figure 8		5,6					
A	US 4 923 165 A (COCKMAN BOYCE R 8 May 1990 (1990-05-08) the whole document	ET AL)	1					
	er documents are listed in the continuation of box C.	Patent family members are listed in	n annex.					
 Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means 		 To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document. 						
'P' document published prior to the international filing date but		ments, such combination being obvious to a person skilled in the art. *&* document member of the same patent family						
Date of the actual completion of the international search		Date of mailing of the international search report						
28 February 2003		19/03/2003						
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2		Authorized officer						
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Geiger, H						

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lation on patent family members

Internate Application No
PCT/CA 03/00021

Patent document cited in search report	į	Publication date		Patent family member(s)	Publication date
GB 2201702	Α	07-09-1988	NONE		
GB 2225038	Α	23-05-1990	NONE		
US 6273390	B1	14-08-2001	NONE		
US 4923165	Α	08-05-1990	US	4863137 A	05-09-1989

Form PCT/ISA/210 (patent family annex) (July 1992)